

# 2002 List of Ecological Committees for Montana

= 17 7003

Prepared by:
Montana Natural Heritage Program
Montana State Library

MONTANA STATE LIBRARY 1515 E. 6th AVE. HELENA, MONTANA 59620

P.O. Box 201800 • 1515 East Sixth Ave • Helena, MT 59620-1800 • 406-444-3009

http://nhp.nris.state.mt/us

# Introduction

What types of natural vegetation exist across Montana's landscape? Where do they occur and why? Which community types are intrinsically rare or limited in distribution, and which are widespread? Which have greatly diminished in extent and may be at risk?

Answers to these questions are important to guide resource management, however these answers hinge on how we define and categorize the rich ecological diversity that is among Montana's greatest natural assets. Ecologists at the Montana Natural Heritage Program systematically collect information to help identify and understand the natural communities of Montana. They utilize a classification approach, developed in partnership with the network of Natural Heritage Programs, that is scientifically sound, consistent and flexible.

Natural communities are assemblages of species that respond similarly to climatic, soil, topographic, geological hydrologic, historical and other environmental conditions.

Communities are identified primarily by unique repeating assemblages of plant species. But communities are more than the sum of their species – they also represent the myriad biological and environmental interactions that are inherently a part of each unique natural system. Thus, environmental characteristics, ecological processes and associated fauna are also used in characterizing natural communities. An underlying assumption is that vegetation is one of the best indicators of environmental characteristics.

Natural communities have great value for resource management. It is now widely agreed that managing biological resources on a species by species basis is impractical and inadequate, except for a relatively limited number of large mammals, birds and plants that are of particular value to people or in special cases where particular species are facing individual threats to their survival. However there are many thousands of species that make up our native ecosystems and play a key role in the health of those systems – soil development, pollination, breaking down organic materials into nutrients, and as links in the food chain.

Communities are increasingly used as management units that represent certain "habitats" -- assemblages of species adapted to similar conditions and processes. Thus, armed with knowledge about the diversity, composition distribution, status and ecological requirements of communities, managers can focus on these naturally-occurring assemblages of organisms to maintain the health of multitudes of species and interactions that would be impossible to manage individually.





# 2002 List of Ecological Commnities for Montana COLLECTION

MAR 1 7 2003

Prepared by:

Montana Natural Heritage Program Montana State Library MONTANA STATE LIBRARY 1515 E. 6th AVE. HELENA, MONTANA 59620

P.O. Box 201800 • 1515 East Sixth Ave • Helena, MT 59620-1800 • 406-444-3009

http://nhp.nris.state.mt.us

# Introduction

What types of natural vegetation exist across Montana's landscape? Where do they occur and why? Which community types are intrinsically rare or limited in distribution, and which are widespread? Which have greatly diminished in extent and may be at risk?

Answers to these questions are important to guide resource management, however these answers hinge on how we define and categorize the rich ecological diversity that is among Montana's greatest natural assets. Ecologists at the Montana Natural Heritage Program systematically collect information to help identify and understand the natural communities of Montana. They utilize a classification approach, developed in partnership with the network of Natural Heritage Programs, that is scientifically sound, consistent and flexible.

Natural communities are assemblages of species that respond similarly to climatic, soil, topographic, geological hydrologic, historical and other environmental conditions. Communities are identified primarily by unique repeating assemblages of plant species. But communities are more than the sum of their species – they also represent the myriad biological and environmental interactions that are inherently a part of each unique natural system. Thus, environmental characteristics, ecological processes and associated fauna are also used in characterizing natural communities. An underlying assumption is that vegetation is one of the best indicators of environmental characteristics.

Natural communities have great value for resource management. It is now widely agreed that managing biological resources on a species by species basis is impractical and inadequate, except for a relatively limited number of large mammals, birds and plants that are of particular value to people or in special cases where particular species are facing individual threats to their survival. However there are many thousands of species that make up our native ecosystems and play a key role in the health of those systems – soil development, pollination, breaking down organic materials into nutrients, and as links in the food chain.

Communities are increasingly used as management units that represent certain "habitats" -- assemblages of species adapted to similar conditions and processes. Thus, armed with knowledge about the diversity, composition distribution, status and ecological requirements of communities, managers can focus on these naturally-occurring assemblages of organisms to maintain the health of multitudes of species and interactions that would be impossible to manage individually.

# How To Read The List

The list is organized alphabetically by scientific name. The ranks in the list are explained below.

## Heritage Program Ranks

The international network of Natural Heritage Programs employs a standardized ranking system to denote global (range-wide) and state status (Association for Biodiversity Information 2001). Once community types are identified, they are ranked based on their abundance, health and /or level of risk. Ranking helps managers determine which communities or habitat types may be most in need of attention, and can also help focus future surveys or studies to inform management. Ranks are assigned at the global (rangewide) level as well as for Montana. Through our participation in the network of Natural Heritage Programs, we have access to information about the status of communities where they extend beyond Montana's borders.

<b>Rank</b> Gl SI	<b>Definition</b> Critically imperiled because of extreme rarity and/or other factors making it highly
G1 51	vulnerable to extinction.
G2 S2I	Imperiled because of rarity and/or other factors making it vulnerable to extinction.
G3 S3	Vulnerable because of rarity or restricted range and/or other factors, even though it may be abundant at some of its locations.
G4 S4	Apparently secure, though it may be quite rare in parts of its range, especially at the periphery.
G5 S5	Demonstrably secure, though it may be quite rare in parts of its range, especially at the periphery.
GU SU	Possibly imperiled, but status uncer-tain; more information needed.
GA SA	Native in nearby states, but in Montana believed to be accidentally introduced, deliberately planted, or escaped from plantings.
GH SH	Historical, known only from records over 50 year ago; may be rediscovered.
GX SX	Believed to be extinct; historical records only.

### **Combination Ranks**

G#G# or S#S#

Indicates a range of uncertainty about the rarity of the species.

### Sub-rank

T# Rank of a subspecies or variety; appended to the species' global rank of the full species, e.g. G4T3.

### **Oualifiers**

- Q Taxonomic questions or problems exist, more information needed; appended to the global rank, e.g. G3Q.
- ? Denotes uncertainty or for numeric ranks, inexactness.

### FEDERAL DESIGNATIONS

### U.S. Fish and Wildlife Service Status

(U.S. Endangered Species Act)

This column indicates the status of a taxon under the federal Endangered Species Act of 1973 (16 U.S.C.A. § 1531-1543 (Supp. 1996)). Note: The Category 2 Candidates designation was dropped in 1996 by the USFWS, and former Candidate 2 species no longer have any formal status under ESA. Regulatory aspects of the Endangered Species Act affect plants only when they occur on federal lands or are affected by federal actions.

- LE Listed endangered (no Montana plants)
- LT Listed threatened
- P Proposed endangered or threatened
- C Candidate with listing warranted but precluded

### U.S. Forest Service Status

The U. S. Forest Service Manual (2670.22) defines the status of sensitive species on Forest Service lands. The Regional Forester (Northern Region) designates sensitive species on National Forests in Montana; these designations were last updated in 1999, and a full list is included on page 36. They apply only on USFS-administered lands.

S sensitive species, subspecies or variety, for which the Regional Forester has determined there is a concern for population viability range-wide or in the region

### U.S. Bureau of Land Management Status

The BLM 6840 Manual defines the status of species on Bureau of Land Management Lands. The Montana State Office of the BLM assigned these designations in 1996, and a full list is included on page 36. They apply only on BLM-administered lands.

- sensitive species are proven imperiled in at least part of their ranges and documented to occur on BLM lands.
- W watch species are either known to be imperiled and suspected to occur on BLM lands, suspected to be imperiled and documented on BLM lands, or needing further study for other reasons.

# Montana Community List 2002

Ccientific Name	Common Name	Grank	Srank
Abes grands Asarum candatum Forest	Grand fir / longtail wild ginger Forest	G4	S
Abres erandis Athraum filx-femma Forest	Grand fir / lady fem Forest	G3Q	820
Ahre orandis Calamacrastis ruhescens Woodland	Grand fir / pmegrass Woodland	G4?	S2
Abes grandts Chatoma untilora Forest	Grand fir / queen's cup headlily Forest	GS	S4
Abies grandis Linnaea borealis Forest	Grand fir / twinflower Forest	G3	S2S3
Abres grandis Physocarpus malvaceus Forest	Grand fir / mallow-leaf nmebark Forest	G3	S.
	Grand fir / arrowleaf ragwort Forest	G3	S2
Abres grands Spiraea betulifoha Forest	Grand fir / shnny-leaf meadowsweet Forest	G2	S?
Abies grandis Taxus brevifolia Forest	Grand fit / pacific yew Forest	G2	SI
Abes grandis / Xerophyllum tenax Forest	Grand fir / beargrass Forest	G4	S4
Abres lasiocarpa - Acer glahrum Avalanche Chute Shrubland	Subalpine fir - Rocky Mountain maple Avalanche Chute Shrubland	G5	SS
Abres lasiocarpa - Pinus albicaulis   Vaccinium scaparium Woodland	Subalpine fir - whitebark pine Woodland	G5?	85
Abres lasiocarpa / Actaea rubra Forest	Subalpine fir / baneberry Forest	G42	S2
Abres lasiocarpa / Alnus wirdis ssp. sinuata Forest	Subalpine fir / Sitka alder Forest	G4	S4
Abies lassocarpa / Armca cordifolia Forest	Subalpine fir / wavy-leaf alder Forest	GS	S5
Abies lassocarpa / Arnica lattfola Forest	Subalpine fir / broadleaf amica Forest	64	83
Abies lasiocarpa / Calamagrostis canadensis Forest	Subalpine fir / bluejoint Forest	G5	\$5
Abies lassocarpa / Calamagrastis rubescens Forest	Subalpine fir / pinegrass Forest	G4G5	S3
Abies lasiocarpa / Carex geyeri Forest	Subalpine fir / Geyer's sedge Forest	G5	S3
Abres lassocarpa Clematis columbiana var columbiana Forest	Subalpine fir / Columbia clematis Forest	G33	833
Abies lastocarpa / Clintonia uniflora Forest	Subalpine fir / bride's-bonnet Forest	G5	SS
Abres lassocarpa Gahum triflarum Forest	Subalpine fir / sweet-scented bedstraw Forest	G4	S4
Abres lastocarpa / Jumperus commums Woodland	Subalpine fir / common jumper Woodland	G4G5	83
Abres lassocarpa / Ledum glandulosum Forest	Subalpine fir / glandular labrador-tea Forest	G4	S4
Abres lasiocarpa / Linnaea barealis Forest	Subalpine fir / twinflower Forest	G5	85
Abres lassocarpa / Luzula glabrata var hstchcockis Forest	Subalpine fir / smooth woodrush Forest	G5	SS
Abres lassocarpa Menziesia ferruginea Forest	Subalpine fir / fool's-huckleberry Forest	GS	85
Abres lasiocarpa / Oplapanax horndus Forest	Subalpine fir / devil's-club Forest	G3	82
Abres lasiocarpa / Phyllodoce empetriformis Woodland	Subalpine fir / pink mountain-heath Woodland	G4Q	S?
Abres lasiocarpa / Rhododendron albiflarum Woodland	Subalpine fir / cascade azalea Woodland	G4	<i>S</i> 3
Abres lasiocarpa / Ribes (montigenum, lacustre, merme) Forest	Subalpine fir / gooseberry Forest	G5	S4
Abies lassocarpa / Streptopus amplexifolius Forest	Subalpine fir / clasping twisted-stalk Forest	G4	S3
Abies lasiocarpa / Symphoricarpos albus Forest	Subalpine fir / snowberry Forest	G3	83
Abies lasiocarpa / Thalictrum occidentale Forest	Subalpine fir / western meadowrue Forest	G4	S3
Abies lasiocarpa / Vaccinium cespitasum Forest	Subalpine fir / dwarf huckleberry Forest	GS	85
Abies lastacarpa / Vaccintum membranaceum Rocky Mountain Forest	Subalpine fir / big buckleberry Forest	GS	85
Abies lasiocarpa / Vaccinium scaparium Forest	Subalpine fir / grouseberry Forest	GS	85
Abies lasiocarpa / Xeraphyllum tenax Forest	Subalpine fir / beargrass Forest	G5	SS
Abies lasiacarpa Krummholz Shrubland	Subalpine fir Krummholz Shrubland	G4	S4

Abies Iasiocarpa Scree Woodland Acer glabrum Avalanche Chute Shrubland Acer glabrum Drainage Bottom Shrubland	Subaipine fir Scree Slope Rocky Mountain maple Avalanche Chute Shrubland Rocky Mountain maple Drainage Bottom Shrubland	G5? G5 G4?	SS SS 8
Acer negundo / Prums virginiana Forest Aoramyan reisiaium - (Pascanyaum smithii Hesperastiva comata) Semi-natural Herbaccous	Box elder / chokecherry Forest	3	2
Vegetation	Crested wheatgrass Semi-natural grassland	GW	83
Agrostis stolonifera Herbaccous Vegetation	Redtop Meadow	ВМ	SS
Alnus meana - Betula occidentalis Shrubland	Mountain alder - water birch Shrubland	G2G3	S?
Alnus incana / Calamagrostis canadensis Shrubland	Mountain alder / bluejoint Shrubland	<b>0</b> 30	830
Alnus incana / Carex spp. Shrubland	Mountain alder / sedge spp. Shrubland	3	S?
Alnus incana / Comus sencea Shrubland	Mountain / red osier dogwood Shrubland	G3Q	S?
Alnus incana / Equisetum arrense Shrubland	Mountain alder / field horsetail Shrubland	G	23
Alnus incana Mesic Forbs Shrubland	Mountain alder / Mesic Forbs Shrubland	C3	S;
Alnus incana Shrubland	Mountain alder Shrubland	$G_{2}Q$	S3
Alnus viridis 8sp. sinuata / Athyrum filix- Femina Shrubland	Sitka alder / lady fern - slender woodreed Shrubland	G3G4	S.
Alnus viridis 8sp. sinuata Shrubland [Provisional]	Sitka Alder Shrubland	$G_{2}^{*}$	S2
Alnus spp. Avalanche Chute Shrubland	Alder Avalanche Chute Shrubland	GŞ	S5
Amelanchier alnifolia / Pseudoroegneria spicata Shrubland	Saskatoon serviceberry / bluebunch wheatgrass Shrubland	G3G4Q	827
Andropogon gerardu - Schizachyrium scoparium Western Great Plains Herbaceous Vegetation	Big bluestem - little bluestem Western Great Plains Herbaceous Vegetation	G2?	82
Andropagon hallu - Calamovifa longifolia Herbaceous Vegetation	Sand bluestem - prairie sandreed Sand Prairie	G4G5	¿S
Andropogon hallu - Carex mops ssp. helvophila Herbaceous Vegetation	Sand bluestem - sun sedge Sand Prairic	G3	83
Artemisia arbuscula / Festuca idahoensis Dwarf Shrub Herbaceous Vegetation	Dwarf sagebrush / Idaho fescue Shrub Herbaceous Vegetation	GS	83
Artemisia arbuscula / Pseudoroegneria spicata Dwarf Shrub Herbaceous Vegetation	Dwarf sagebrush / bluebunch wheatgrass Shrub Herbaccous Vegetation	GS	83
Artemisia arbuscula ssp. longilaba / Elymns lanceolatus Dwarf Shrub Herbaccous Vegetation	Alkali sagebrush / thickspike wheatgrass Dwarf Shrub Herbaceous Vegetation		S?
Artemisia arbuscula ssp. longiloba / Festuca idahoensis Dwarf Shrub Herbaceous Vegetation	Alkali sagebrush / Idaho fescue Shrub Herbaceous Vegetation	C3	S2
Artemisia arbuscula ssp. longiloba / Pseudoroegneria spicata Dwarf Shrub Herbaccous Vegetation	Alkalı sagebrush / bluebunch wheatgrass Shrub Herbaceous Vegetation	Ċ5	S?
Artemisia cana / Elymus lanceolatus - Nassella viridula Shrub Herbaceous Vegetation	Silver sage / thickspike wheatgrass - green needlegrass Shrub Herbaceous Vegetation		8283?
Artemisia cana / Elymus trachycaulus Shrub Herbaceous Vegetation	Silver sagebrush / slender wheatgrass Shrub Herbaceous Vegetation		S
Artemisia cana / Festuca idahoensis Shrub Herbaceous Vegetation	Silver sagebrush / Idaho fescue Shrub Prairie	G35	833
Artemisia cana / Leymus cinereus Shrubland	Silver sagebrush / basin wildrye Shrubland	GI	Š
Artemisia cana / Pascopyrum smithii Shrubland	Silver sagebrush / western wheatgrass Shrubland	G4	S4
Arlemisia cana / Poa pratensis Shrub Herbaccous Vegetation	Silver sagebrush / Kentucky bluegrass Shrub Herbaceous Vegetation		Š
Artemissa cana / Stipa comata Shrub Herbaceous Vegetation	Silver sagebrush / needle-and-thread Shrub Prairie	G3	S3
Arremista cana ssp cana / Pascopyrum smuthu Shrub Herbaceous Vegetation	Silver sagebrush / western wheatgrass Shrub Praine	G4	S.;
Artemisia cana ssp. viscidula / Festuca idahoensis Shrubland	Silver sagebrush / Idaho fescue Shrubland	G3	S <sub>2</sub>
uc	Long-leaved sage - prairie sandreed Sparse Vegetation	G3G4	S3S4
	Longleaf wormwood Badlands Sparse Vegetation	Ĝ	8384
Artemisia nova / Festuca idahoensis Dwarf Shrub Herbaccous Vegetation	Black sagebrush / Idaho fescue Shrub Herbaceous Vegetation	G2.,	S1S2
P	Black sagebrush / bluebunch wheatgrassDwarf-shrubland	G4G5	83
Artemisia pedatifida - Atriplex gardneri Dwarf Shrubland	Birdfoot sagebrush - Gardner's saitbush Shrubland	3	S2
Artemisia pedatifida / Festuca idahoensis Dwarf Shrub Herbaceous Vegetation	Burdfoot sagebrush / Idaho fescue Shrubland	G2?	S2 23
Ariemisia pedatifida – Pseudoroegneria spicala Dwarf Shrub Herbaceous Vegetation	Birdloot sagebrush / bluebunch wheatgrass Shrubland	3	S

Bud sagebrush Shrubland Big sagebrush - shadscale Shrubland Mountain big sagebrush / rough fescue Shrub Herbaceous Vegetation	Big sagebrush / Idaho fescue Shub Prantæ. Big sagebrush / needle-and-thread Shrubland.	on Basin big sagebrush / needle-and-thread Shuib Herbaceous Vegetation	Basin big sagebrush / basin wildrye Shrubland					ceauon Mountain big sagebrush / rough tescue Shrub Herbaccous Vegetation Mountain his sagebrush / Idaho fescue - slender wheatorase Shruhland					Mountain big sagebrush / bluebunch wheatgrass Shrubland	Wyoming big sagebrush - shadscale Shrubland	Wyoming big sagebrush / blue grama Shrubland											These the constant of the description of the description of the tenth	Threetin sagebrish / prairie fecus Shrib Herbosoms Vocatorion	Threetin Saochrish / John Fescue Shrift Herbaceous Venetation	Threetip sagebrush / bluebunch wheaterass Shrub Herbaceous Veectation			Shadscale Wyoming Basins Shrubland	Gardner's saltbush - bud sagebrush Dwarf-shrubland	Gardner's saltbush - big sagebrush Dwarf-shrubland	Gardner's calthach / rillegale Durarf Shrubland	ns Vegetation  ceation  cation  Shrubland  ctation  s Vegetation  hrubland  ara Shrubland  w Shrubland  ubland  w Shrubland  ubland  getation
Artemisia spinescens Dwarf Shrubland Artemisia iridentata - Airiplex confertifolia Shrubland Artemisia iridentata / Festuca campestris Shrub Herbaceous Vegetation	Artemisia iridentata / Festuca idahoensis Shrub Herbaceous Vegetation Artemisia iridentata / Supa comata Shrubland	Artemisia tridentata spp. tridentata / Supa comata Shrub Herbaccous Vegetatio Artemisia tridentata ssp. tridentata / Festico idoboenses Shrubland	Artemisia tridentata ssp tridentata / Leymus cinereus Shrubland	Artemisia tridentata ssp. tridentata / Pascopyrum smithii Shrubland	Artemisia tridentata ssp. tridentata / Pseudoraegneria spicata Shrub Herbaceou	driemisia indeniata ssp. vaseyana - Symphoricarpos oreophilus / Festuca idalu	Ariemisia Irideniaia SSP vaseyana / Bromus carmatus Shrubland	aremisia tradentata ssp. vaseyana / restaca campestris stilluo ticibaccous veg Artemisia tradentata ssp. vaseyana / Festuca idahoensis - Elymus trachycaulus i	Artemisia Indentata ssp. vaseyana / Festuca idahoensis Shrub Hcrbaccous Veg	Artemisia fridentata ssp. vaseyana / Leymus cinereus Shrubland	Artemusia tridentata ssp. vaseyana / Pascopyrum smithii Shrubland	4rtemisia tridentata ssp. vaseyana / Poa pratensis Shrub Herbaceous Vegetatio	Artemisia tridentata ssp. vaseyana / Pseudoroegneria spicata Shrubland	Artemusia tridentata ssp. wyomingensis - Atriplex canfertifalia Shrubland	Artemissa tridentata ssp. wyomingensis / Bouteloua gracilis Shrubland	Artennsia tridentata ssp. wyomingensis / Carex filifolia Shrubland	Artemisia tridentata ssp. wyamingensis / Elymus lanceolatus ssp. albicans Shru	Artemisia tridentata SSP. wyomingensis / Pascopyrum smithii Shrub Herbaceous	Artemisia fridentata ssp. wyomingensis / Poa secunda Shrubland	4rtemisia tridentata ssp. wyamingensis / Pseudoroegneria spicata Shrub Herba	Artemisia Indentala ssp. wyamingensis / Pseudoroegneria spicata Shrubland	griemisia tridentata Ssp. vaseyana / Festuca idahoensis - Pascopyrum smithii S	4riemisia tridentata SSP. vaseyana / Festuca idahoensis - Pseudoroegneria spic	irremisia irraeniaia ssp. vaseyana / Fesiuca idanoensis - Shpa richardsonii Shi	iriemisia iriaeniaia ssp. Vaseyana / Festuca idahoensis / Geranium vascassimui Hemisia tridentata een. vanseana / Festuca idahaanes - Cina accidantale Chr	Aremista tripartita / Elymus lanceolatus Shrub Herbaceous Vecetation	driemisia tripartita / Festuca campestris Shnib Herbaccous Vegetation	Artemisia tripartita / Festuca idahoensis Shrub Herbaceous Vegetation	driemisia tripartita / Pseudoroegneria spicata Shrub Herbaceous Vegetation	Irtemisia tripartita ssp. tripartita / Hesperostipa comata Shrub Herbaceous Ve,	Arriplex confertifolia / Chrysothamnus nauseosus Shrubland	Arrplex confertifolia Wyoming Basıns Shrubland	Amplex gardneri - Artemisia spinescens Dwarf Shrubland	Arrplex gardneri / Artemisia tridentata Dwarf Shrubland	Atripler gardneri / Endolepis dioica Dwarf Shribland	Artemisa spenescens Dwarf Shrubland Artemisa rabentaa - Arriplex conjections Shrubland Artemisa rabentaa - Arriplex conjection Shrubland Artemisa rabentaa - Arriplex conjectins Shrub Herbaceous Vegetation Artemisa radentaa of Festica adoleocuss Shrub Herbaceous Vegetation Artemisa radentaa of Festica adoleocuss Shrub Herbaceous Vegetation Artemisa radentaa sp. radentaa of Jesacopyrum surthu Barubland Artemisa radentaa sp. radentaa of Leymus cinereus Shrubland Artemisa radentaa sp. radentaa of Pesacopyrum surthu Shrubland Artemisa radentaa sp. radentaa of Pesacopyrum surthu Shrubland Artemisa radentaa sp. radentaa of Pesacopyrum surthu Shrubland Artemisa radentaa sp. vaseyana of Pesacopyrum surthu Shrubland Artemisa radentaa sp. vaseyana of Pesaco comperativa Shrubland Artemisa radentaa sp. vaseyana of Pesaco adoleocus Shrubland Artemisa radentaa sp. vaseyana of Pesacorocognera spicata Shrubland Artemisa radentaa sp. vaseyana of Festaca adoleocus spicata Shrubland Artemisa radentaa sp. vaseyana of Festaca adoleocus spicata Shrubland Artemisa radentaa sp. vaseyana of Festaca adoleocus spicata Shrubland Artemisa radentaa sp. vaseyana of Festaca adoleocus spicata spicata Shrubland Artemisa radentaa sp. vaseyana of Festaca adoleocus so. Segetation Art

\$2 \text{S \te

Gardner's saltbush / Nuttall's poverty-weed Dwarf-shrubland Gardner's saltbush / Indian ricegrass Dwarf-shrubland Gardner's saltbush / western wheatgrassDwarf-shrubland Gardner's saltbush Dwarf-shrubland Bog birch / Cusick's sedge Shrubland Bog birch / slender sedge Shrubland Bog birch / slender sedge Shrubland Water birch - shrubby cinquefoil Shrubland Water birch / red osier dogwood Shrubland Water birch / red soier dogwood Shrubland Water birch / red soier dogwood Shrubland	Water brich Shrubland Paper Burch Forest California bronne - nodding bronne Herbaceous Vegetation Smooth bronne (western wheatgrass) Semi-natural grassland Bluejoint reedgrass Wet Meadow Plains reedgrass - curly sedge Herbaceous Vegetation Purple reedgrass - curly sedge Prairie Prairie sandreed - sun sedge Prairie Prairie sandreed - needle-and-thread Prairie Columbia sedge Wet Meadow Aquatic sedge - beaked sedge Herbaceous Vegetation Aquatic sedge wet Meadow Awned sedge wet meadow Buxbaum's sedge Wet Meadow Blackroot sedge - Ross' avens Herbaceous Vegetation	Blackroot sedge Herbaceous Vegetation Woolly sedge - western bluejoint Herbaceous Vegetation Woolly sedge Herbaceous Vegetation Slender sedge Herbaceous Vegetation Mud sedge Herbaceous Vegetation Nebraska sedge Wet Meadow Black alpine sedge Herbaceous Vegetation Clustered field sedge Herbaceous Vegetation Curly sedge - sheep cinquefoil Herbaceous Vegetation Russet sedge Herbaceous Vegetation Spike sedge - Ross' avens Herbaceous Vegetation Spike sedge - mountain meadow cinquefoil Herbaceous Vegetation Holm's Rocky Mountain sedge Herbaceous Vegetation Holm's Rocky Mountain sedge Herbaceous Vegetation Beaked sedge Wet Meadow Inflated sedge Wet Meadow Sedge species - Ross' avens Herbaceous Vegetation Sedge species - Ross' avens Herbaceous Vegetation
Atriplex gardneri / Monolepis nuttalliana Dwarf Shrubland Atriplex gardneri / Orgzopsis hymenoides Dwarf Shrubland Atriplex gardneri / Poscopyrum smithn Dwarf Shrubland Atriplex gardneri / Poscopyrum smithn Dwarf Shrubland Atriplex gardneri Dwarf Shrubland Betula glandulosa / Carex cusicka Shrubland Betula glandulosa / Carex lasiocarpa Shrubland Betula glandulosa / Carex utriculata Shrubland Betula accidentalis - Pentaphylloides floribunda Shrubland Betula occidentalis - Pentaphylloides floribunda Shrubland Betula occidentalis / Cornus sericea Shrubland Betula occidentalis / Cornus sericea Shrubland	Betula accidentalis Shrubland Betula accidentalis Shrubland Betula papyrifera Forest Bromus carinatus - Bramus anamalus Herbaccous Vegetation Bramus innermis - Pascapyrum smithii) Semi-natural Herbaccous Vegetation Calamagrostis canadensis Western Herbaccous Vegetation Calamagrostis monitanensis Herbaccous Vegetation Calamagrostis monitanensis Herbaccous Vegetation Calamaryla longifuia - Carex maps ssp heliophila Herbaccous Vegetation Calamoviffa longifuia - Carex maps ssp heliophila Herbaccous Vegetation Carex aperta Herbaccous Vegetation Carex aquantis Aerbaccous Vegetation Carex aquantis Herbaccous Vegetation Carex buxbanmii Herbaccous Vegetation Carex buxbanmii Herbaccous Vegetation Carex buxbanmii Herbaccous Vegetation Carex chinaides - Geum rossii Herbaccous Vegetation	Carex elyandes Herbaceous Vegetation  Carex lanuginosa - Calamagrasis siricia Herbaceous Vegetation  Carex lanuginosa Herbaceous Vegetation  Carex lanuganasa Herbaceous Vegetation  Carex imoxa Herbaceous Vegetation  Carex interacensis Herbaceous Vegetation  Carex nigricans Herbaceous Vegetation  Carex nigricans Herbaceous Vegetation  Carex nigricans Herbaceous Vegetation  Carex rupesiris - Patentilla owner Herbaceous Vegetation  Carex saxanlis Herbaceous Vegetation  Carex saxanlis Herbaceous Vegetation  Carex scapularum - Caliba leptosepula Herbaceous Vegetation  Carex scapularum Herbaceous Vegetation  Carex scapularum Herbaceous Vegetation  Carex simulata Herbaceous Vegetation  Carex spp Geum rassi Herbaceous Vegetation  Carex spp Geum rassi Herbaceous Vegetation

G3? G3 G3 G3G5

G4? G2Q G3? G3Q G4Q

G₩ G4

Cassiope mertensiana: Carex paysonis Dwarf Shrubland	Western moss heather / Payson's sedge Dwarf-shrubland	G3?
Corrocarpiis realionas / restaca taanoensis woodidiid Corrocarpiis ladifolius / Deaudomama milata Chaipland	Currental mountain manogany / Idaho Jesche Woodland	63
Cercocat pus reagonus / r seadorregneria spicaia simusiana Chrysothamnus nauseosus / Pseudoroegneria spicaia Shrubland	Cuti-ical mountain manogany / bluebunch wheatgrass Shrubland Common rabhithrish / bluebunch wheaterass Shrubland	G20
Chrysothamnus viscidiflorus / Supa comata Shrub Herbaceous Vegetation	Green rabbitbrush / needle-and-thread Shrub Herbaceous Vegetation	y S
Comus sencea / Galnım inflorum Shrubland	Red osier dogwood / sweet-scented bedstraw Shrubland	G3?
Cornus sericea Shrubland [Provisional]	Red osier dogwood Shrubland	G4Q
Crataegus douglasii Shrubland	Black hawthorn Shrubland	G2Q
Crataegus succulenta Shrubland [Provisional]	Succulent hawthorn Shrubland	G3G4Q
Dasiphora fruticasa ssp. floribunda / Carex spp. Shrubland	Shrubby cinquefoil / sedge spp. Shrubland	G3?
Dasiphora fruticasa ssp. flonbunda / Juncus balticus Shrub Herbaceous Vegetation	Shrubby cinquefoil / Baltic rush Shrub Herbaceous Vegetation	
Deschampsia cespitosa - Caltha leptosepala Herbaccous Vegetation	Tufted hairgrass - marsh-mangold Wet Meadow	G4
Deschampsia cespitosa - Carex spp. Herbaceous Vegetation	Tufted hairgrass / sedge Meadow	G4Q
Deschampsia cespitosa - Potentilla diversifolia Herbaceous Vegetation	Tufted harrgrass - mountain meadow cinquefoil Herbaceous Vegetation	G5
Deschampsia cespuosa Herbaceous Vegetation Distichtis sricata - Hordeum mhatum - Pucanella mutallana - Suaeda calceothforms Herbaceous	Tufted harrgrass Meadow	G4
Vegetation	Saltgrass - foxtail barley - Nuttall's alkalı grass - seablite Herbaceous Vegetation	G2G3
Distichlis spicata Herbaceous Vegetation	Inland saltgrass Saline Prairie	G5
Dryas integrifolia - Carex spp. Dwarf Shrub Herbaccous Vegetation	White mountain-avens - sedge spp. Dwarf-shrub Herbaccous Vegetation	G3Q
Dryas octopetala - Carex rupestras Dwarf Shrub Herbaccous Vegetation	Eight-petal mountain-avens - curly sedge Dwarf shrub Herbaceous Vegetation	G4
Dryus octopetala - Carex spp. Dwarf Shrub Herbaccous Vegetation	Eight-petal Mountain-avens - sedge spp. Dwarf-shrub Herbaceous Vegetation	G3?
Dryas octopetala - Polygonum wwiparum Dwarf Shrub Herbaceous Vegetation	Eight-petal mountain-avens - serpent-grass Dwarf-shrub Herbaceous Vegetation	G3?
Duhchium arimdinaceum Seasonally Flooded Herbaceous Vegetation	Threeway sedge Seasonally Flooded Herbaceous Vegetation	G3
Elaeagnus commutata / Pascopyrum smuhii Shrubland	American silverberry / western wheatgrass Shrubland	G3?
Elaeagnus commutata Shrubland	Silverberry Shrubland	G2Q
Eleocharis palustris Herbaceous Vegetation	Creeping spikerush Wet Meadow	G5
Eleocharis quinqueflora Herbaceous Vegetation	Few-flower spikerush Herbaceous Vegetation	G4
Eleocharis rostellata Herbaceous Vegetation	Beaked spikerush Herbaceous Vegetation	
Elymus elymoides Herbaceous Vegetation	Bottlebrush squirreltail Herbaceous Vegetation	
Elymus lanceolatus - (Koeleria macrantha) Herbaccous Vegetation	Thickspike wheatgrass - (prairie junegrass) Herbaceous Vegetation	
Elymus lanceolatus - Elymus trachycaulus Herbaccous Vegetation	Thickspike wheatgrass - slender wheatgrass Herbaceous Vegetation	
Elymus lanceolatus - Hesperostipa comata Northem Great Plains Herbaceous Vegetation	Thickspike wheatgrass - needle-and-thread Northern Great Plains Herbaceous Vegetation	
Etymus fanceolatus - Koeleria macrantha Herbaceous Vegetation	Thickspike wheatgrass - praine junegrass Herbaceous Vegetation	Ġ,
Elymus lanceolatus - Phaceha hastata Herbaceous Vogetation	Thickspike wheatgrass - silverleaf phacelia Herbaceous Vegetation	G2
Elymus tanceolatus- Nassella virania Hcrbaceous Vegetation	Thickspike wheatgrass - green needlegrass Herbaceous Vegetation	
Elymans trachycaulus - Distitutus strictu Helacoulus Vegetation Flymans trachycaulus - Nassalla amedula Uzeboasana Vocatation	Stender Wheatgrass - saugrass Herbaccous Vegetation	
Emission floring the Perfection Virginia Included by Victoria College	Mytar banatail Mank	
Friognam panciflorim - Cutternera sarathma Badlands Charce Vacatation	Wild hydrochait makening Dodlands Come Vendades	4040
Emphorbia esula Herbaceous Vegetation	wild duckwiteal- stakeweed baqtafigs oparse vegetation.  Leafy spiroe Herbacons Vegetation.	GW 5
Festuca campestris - Festuca idahoensis - Sapa richardsonn Herbaccous Vegetation	Rough fescue - Idaho fescue - Richardson's needleorass Herbaceous Veoetation	\$
Festuca campestris - Festuca idahoensis Herbaceous Vegetation	Rough fescue - Idaho fescue Mixedgrass Prairie	63

Festuca campestris - Pseudoroegneria spicata Herbaccous Vegetation	Altia fescue - bluebunch wheatgrass Mi
Festica campesins tieroaceous vegetation	Rough tescue iterated as Vegetation
restuca ttattaensis - Carex juijona 11x0accous vegeation Festuca idahoensis - Carex inops ssp heliophila Herbaceous Vegetation	Idaho fescue - sun sedge Mixedgrass Pra
Festuca idahoensis - Carex obtusata Herbaccous Vegetation	Idaho fescue - blunt sedge Herbaceous V
Festuca idahaensis - Carex scirpoidea Herbaceous Vegetation	Idaho fescue - single-spike sedge Meado
Festuca idahoensis - Danthonia intermedia Herbaccous Vegetation	Lodgepole pine / timber oatgrass Forest
Festuca idahoensts - Deschampsia cespitosa Herbaccous Vegetation	Idaho fescue - tufted harrgrass Meadow
Festuca idahoensis - Elymus trachycaulus Herbaceous Vegetation	Idaho fescue - slender wheatgrass Mixed
Festuca idahoensis - Festuca kingri Herbaceous Vegetation	Idaho fescue - spike fescue Herbaceous
Festuca idahoensis - Pascopyrum smithii Herbaccous Vegetation	Idaho fescue - western wheatgrass Mixe
Festuca idahoensis - Potentilla diversifolia Herbaccous Vegetation	Idaho fescue - mountain meadow cinque
Festuca idahoensis - Pseudaroegneria spicata Herbaccous Vegetation	Idaho fescue - bluebunch wheatgrass Mı
Festuca idahoensts - Stipa richardsonii Herbaceous Vegetation	Idaho fescue - Richardson's needlegrass
Festuca idahaensis Herbaceous Vegetation	Idaho fescue Herbaceous Vegetation
Festuca kingii - Oxytropis campestris Herbaceous Vegetation	Spike fescue - cold mountain crazyweed
Festuca kingii Herbaccous Vegetation	Spike fescue Herbaceous Vegetation
Fraxinus pennsylvanica - Ulmus americana / Prinus virginiana Woodland	Green ash - American elm Woody Draw
Fraxinus pennsylvanica / Prinnus virginiana Forest	Green ash / chokecherry Forest
Geum rossu - Minuartia obtusiloba Herbaceous Vegetation	Ross' avens - alpine stitchwort Herbacec
Glyceria barealis Herbaccous Vegetation	Northern mannagrass Wet Meadow
Glycerrhiza lepidata Herbaceous Vegetation	America licorice Herbaceous Vegetation
Heracleum maximum - Rudbeckia occidentalis Herbaceous Vegetation	Cow-parsnip - western coneflower Herb
Hesperostipa curtiseta - (Elymus lancealatus) Herbaceous Vegetation	Western porcupine grass - (thickspike w
Hesperostipa curtiseta - Elymus lanceolatus Herbaceous Vegetation	Western porcupine grass - thickspike wh
Hordeum jubatum Herbaceous Vegetation	Foxtail barley Meadow
Juncus balticus - Carex praegracilis Herbaceous Vegetation	Baltic rush - clustered field sedge Herba
Juncus balticus Herbaceous Vegetation	Baltic rush Wet Meadow
Juncus drummandu - Antennaria lanata Herbaceous Vegetation	Drummond's rush - woolly pussytoes He
Juncus parryi - Erigeron ursinus Herbaceous Vegetation	Parry's rush - Bear River fleabane Herba
Juniperus hortzontalis / Calamovilfa longifolia Dwarf Shrubland	Creeping juniper / prairie reedgrass Dwa
Juniperus horizontalis / Carex inops ssp. heliophila Dwarf Shruhland	Creeping juniper / sun sedge Dwarf-shr
Jumperus horizontalis / Elymus lanceolatus Dwarf Shrubland	Creeping juniper / thickspike wheatgrass
Juniperus horizontalis / Elymus trachycaulus Dwarf Shrubland	Creeping juniper / slender wheatgrass D
Jumperus horizontalis / Juncus balticus Dwarf Shrubland	Creeping juniper / baltic rush Dwarf Shr
Juniperus horzanialis / Schizachyrum scoparum Dwarf-shrubland	Creeping juniper / little bluestem Dwarf
Jumperus horizontalis / Stipa curtiseta - (Elymus lanceolatus) Dwarf Shrubland	Creeping juniper / porcupine-grass (thic
Jumperus osteosperma / Artemisia tridentata Woodland	Utah juniper / basın big sagebrush Woo
Juniperus osteosperma / Cercocarpus ledifolius Woodland	Utah Juniper / curl-leaf mountain-mahog
Juniperus osteosperma / Pseudoroegneria spicata Woodland	Utah juniper / bluebunch wheatgrass Wo
Junperus scopulorum Arlemisia nova Woodland	Rocky Mountain jumper / black sagebru
Jumperus scopulorum Artemisia tridentata Woodland	Rocky Mountain juniper / big sagebrush

Altis facuse . Muchunch wheateress Mixederess Drains	69	64
The Iceas - Direction wile agrees with the grass France	5 6	5 6
Kough Jescue Herbaceous Vegetation	255	250
Idaho fescue - thread-leaf sedge Meadow	63	S3
Idaho fescue - sun sedge Mixedgrass Prairie	G3	S3
Idaho fescue - blunt sedge Herbaceous Vegetation	G3Q	S;
Idaho fescue - single-spike sedge Meadow	G2Q	820
Lodgepole pine / timber oatgrass Forest	G37	S.
Idaho fescue - tufted hairgrass Meadow	G3G4	S3
Idaho fescue - slender wheatgrass Mixedgrass Praine	G4	S3S4
Idaho fescue - spike fescue Herbaccous Vegetation	G2?	¿S
Idaho fescue - western wheatgrass Mixedgrass Praine	G4	S4
Idaho fescue - mountain meadow cinquefoil Herbaceous Vegetation	G3	83
Idaho fescue - bluebunch wheatgrass Mixedgrass	G4	S4
Idaho fescue - Richardson's needlegrass Herbaceous Vegetation	G3	S3
Idaho fescue Herbaceous Vegetation	G3Q	S?
Spike fescue - cold mountain crazyweed Herbaceous Vegetation	G3?	82
Spike fescue Herbaceous Vegetation	G3Q	S.
Green ash - American elm Woody Draw	G2G3	SIQ
Green ash / chokecherry Forest	G3?	S2S3
Ross' avens - alpine stitchwort Herbaceous Vegetation	G3?	83
Northern mannagrass Wet Meadow	G4	83
America licorice Herbaceous Vegetation		S.
Cow-parsnip - western coneflower Herbaceous Vegetation	G4	S.
Western porcupine grass - (thickspike wheatgrass) Herbaceous Vegetation		S2S37
Western porcupine grass - thickspike wheatgrass Herbaceous Vegetation	G;	82839
Foxtail barley Meadow	G4	S4
Baltic rush - clustered field sedge Herbaceous Vegetation		S5
Baltic rush Wet Meadow	GS	S2
Drummond's rush - woolly pussytoes Herbaceous Vegetation	G3 <sup>3</sup>	S2
Parry's rush - Bear River fleabane Herbaceous Vegetation	G2?	S2?
Creeping juniper / prairie reedgrass Dwarf Shrubland		827
Creeping jumper / sun sedge Dwarf-shrubland	G4	S4
Creeping juniper / thickspike wheatgrass Dwarf Shrubfand		833
Creeping juniper / slender wheatgrass Dwarf Shrubland		S2S3?
Creeping juniper / baltic rush Dwarf Shrubland		S2S37
Creeping juniper / little bluestem Dwarf-shrubland	C4	S4
Creeping juniper / porcupine-grass (thickspike wheatgrass) Dwarf Shrubland	•	833
Utah juniper / basin big sagebrush Woodland	G5?	83
Utah Juniper / curl-leaf mountain-mahogany Woodland	G3?	833
Utah juniper / bluebunch wheatgrass Woodland	G4	S2
Rocky Mountain jumper / black sagebrush Woodland	G22	82
Rocky Mountain juniper / big sagebrush Woodland	G3Q	853

Jumperus scopulorum Cercocarpus ledifolius Woodland	Rocky Mountain Juniper / curl-leaf mountain-mahogany Woodland	G3?	S3?
Juniperis scapularim / Lercocarpus mantanus Woodiand	Kocky iviountain jumper / mountain manogany woodiand	70	ò
Juniperus scopularim / Carnus sencea Woodland	Rocky Mountain juniper / red osier dogwood Woodland	G4	S4
Jumperus scopulorum / Elymus lanceolatus Woodland	Rocky Mountain juniper / thickspike wheatgrass Woodland		S,
Jumperus scopulorum / Oryzopsis micrantha Woodland	Rocky Mountain juniper / Intle-seed reegrass Woodland	G3G4	83
Jumperus scopulorum / Pseudoroegnera spicata Woodland	Rocky Mountain juniper / bluebunch wheatgrass Woodland	G4	S4
Kalmua microphylla / Carex scopulorum Dwarf Shrubland	Alpine laurel / IIolm's Rocky Mountain sedge Dwarf-shrubland	G3G4	83
Kraschemmnkova lanata / Phlox spp. Dwarf Shrubland	Winter fat / phlox Dwarf-shrub Prairie	G3Q	830
Kraschemmikovia lanata / Stipa comata Dwarf Shrubland	Winter fat / needle-and-thread Dwarf-shrub Prairie	G3	S3
Larix Iyallii - Abies lasiocarpa Forest	Subalpine larch - subalpine fir Forest	G4	S4
Larix hallii / Luzula globrata var. hitchcockii Woodland	Subalpine larch / grouseberry / smooth woodrush Woodland	G2G3	23
Larx halln Woodland	Subalpine larch Woodland	G3Q	83
Lanx occidentalis Forest [Provisional]	Western larch Forest	G4Q	S4
Leymus cinereus - Puccinellia mutalliana Herbaceous Vegetation	Basın wildryc - Nuttall's alkalıgrass Herbaceous Vegetatıon		¿S
Leymus cinereus - Pascapyrum smului Herbaccous Vegetation	Basin wild rye / western wheatgrass Tallgrass Prairic	G3Q	S3?
Leymus cinereus Herbaceous Vegetation	Basin wild rye Tallgrass Herbaceous Vegetation	G2G3Q	S2
Muhlenbergia cuspidata - Bouteloua gracilis Herbaceous Vegetation	Sideoat grama - blue grama Herbaceous Vegetation		S2S3?
Nuphar lutea ssp. palysepala Herbaceous Vegetation	Yellow pondlily Herbaceous Vegetation	GS	S.;
Oryzopsis hymenoides - Psoralidium lanceolatum Herbaceous Vegetation	Indian ricegrass - lemon scurf-pea Mixedgrass Prairie	G3Q	83
Panicum virgatum - Muhlenbergia richardsonis - (Schizachyrium scoparium). Herbaccous Vegetation	Switchgrass - mat muly Herbaceous Vegetation		S?
Panicum virgatum Herbaceous Vegetation [Provisional]	Switchgrass - (western wheatgrass) Herbaceous Vegetation	G2Q	820
Pascapyrum smuthu - (Carex duriuscula) Herbaceous Vegetation	Western wheatgrass - (narrow-leaved sedge) Herbaceous Vegetation		833
Pascopyrum smithii - Bouteloua gracilis - Carex filifolia Herbaceous Vegetation	Western wheatgrass - blue grama - threadleaf sedge Herbaceous Vegetation	G4	S4
Pascapyrum smuthui - Bouteloua graculis Northern Plains Herbaceous Vegetation	Western wheatgrass - blue grama Northern Plains Herbaceous Vegetation		857
Pascopyrum smuthii - Distichlis spicata Herbaceous Vegetation	Western wheatgrass - saftgrass Saline Prairie	G4	S.
Pascapyrum smithii - Eleacharis spp. Herbaceous Vegetation	Western wheatgrass - spikerush spp Mixedgrass Prairie	61	¿S
Pascopyrum smithii - Hesperostipa comata Northern Planns Herbaceous Vegetation	Western wheatgrass - needle-and-thread Northern Plains Herbaceous Vegetation		84,
Pascopyrum smithii - Nassella vrridula Herbaceous Vegetation	Western wheatgrass - green needlegrass Mixedgrass	G3G4	S4
Pascopyrum smithii - Paa secunda Herbaceous Vegetation	Western wheatgrass - sandberg's bluegrass Herbaceous Vegetation		82837
Pascopyrum smithii -Hordeum jubatum Herbaceous Vegetation	Western wheatgrass - foxtail barley Saline Prairie	G4	23
Pascopyrum smithii Herbaccous Vegetation [Provisional]	Western wheatgrass Mixedgrass Praine	G3G5Q	S4
Pentaphylloides floribunda / Carex utriculatra Shrubland	Shrubby cinquefoil / beaked sedge Shrubland		S.
Pentaphylloides floribunda / Deschampsia cesputosa Shrubland	Shrubby cinquefoil / tufted hangrass Shrub Praine	G4	S4
Pentaphylloides floribunda / Festuca campestrus Shrub Herbaceous Vegetation	Shrubby cinquefoil / prairie fescue Shrub Herbaceous Vegetation	G4	S3
Pentaphylloides floribunda / Festuca idahoensis Shrub Herbaccous Vegetation	Shrubby cinquefoil / Idaho fescue Shrub Herbaceous Vegetation	G4	S2S3
Pentaphylloides floribunda / Potentilla ovina Shrubland	Shrubby cinquefoil / sheep cinquefoil Shrubland		S.
Pentaphylloides floribunda / Sttpa curtiseta Shrubland	Shrubby cinquefoil / western porcupine grass Shrubland		S?
Phalaris arundinacea Western Herbaceous Vegetation	Reed canary-grass Wet Meadow	GS	<b>S</b> 4
Phleum alpnnum - Carex micrapiera Herbaccous Vegetation	Mountain timothy - small-wing sedge Herbaccous Vegetation	G2Q	S.
Phragmites australis Temperate Herbaceous Vegetation	Western reed Marsh	GS	S2
Phyllodoce empetrifornus / Antennaria lanata Dwarf Shrubland	Pink mountain-heath / woolly pussytoes Dwarf-shrubland	G3?	S3
Picea (engelmannii X glauca, engelmannii) / Carex disperma Forest	Engelmann's spruce / softleaf sedge Forest	G2Q	S2?

Picea (engelmannii X glauca, engelmannii) / Clintonia uniflora Forest Picea (engelmannii X glauca, engelmannii) / Eauisetum arvense Forest	Engelmann's spruce / queen's cup beadlily Forest Engelmann spruce / common horsetail Forest	G4	S 84
Picea (engelmannii X glauca, engelmannii) / Galium triflorum Forest	Spruce / sweet-scented bedstraw Forest	G4	S
Picea (engelmanni $X$ glauca, engelmannii) / Juniperus communis Forest	Engelmann spruce / common juniper Forest	G2Q	S2
Picea (engelmannii X glauca, engelmannii) / Lysichiton americanus Forest	Engelmann spruce / yellow skunk cabbage Forest	G2	S2
Picea (engelmannii X glauca, engelmannii) / Matanthemum stellatum Forest	Engelmann spruce / false Solomon's-seal Forest	G4?	S3
Picea (engelmannii X glauca, engelmannu) / Senecio streptanthifolius Forest	Engelmann spruce / cleft-leaf groundsel Forest	G4	S4
Picea (engelmannii X glauca, engelmannii) / Vaccinium cespuosum Forest	Engelmann spruce / dwarf huckleberry Forest	G4	S4
Picea engelmannii / Calamagrostis canadensıs Forest	Engelmann spruce / bluejoint Forest	G4	S4
Picea engelmannin / Caltha leptosepala Forest	Engelmann spruce / marsh-marigold Forest	G3?	83
Picea engelmannii / Carex disperma Forest	Engelmann spruce / softleaf sedge Forest	G2	S?
Picea engelmannii / Comus sencea Woodland	Engelmann spruce / red-osier dogwood Woodland	G3	83
Picea engelmannii / Equisetum arvense Forest	Engelmann spruce / field horsetail Forest	G4	S2
Prcea engelmannin / Galuun triflorum Forest	Engelmann spruce / sweet-scented bedstraw Forest	G4	S?
Picea engelmannii / Hypnum revalutum Forest	Engelmann spruce / revolute hypnum Moss Forest	G3	25
Picea engelmannii / Linnaea borealis Forest	Engelmann spruce / twinflower Forest	G4	S4
Picea engelmannii / Physocarpus malvaceus Forest	Engelmann spruce / mallow-leaf ninebark Forest	G3	S3
Picea engelmannu / Vaccunum scaparum Forest	Engelmann spruce / grouseberry Forest	G3G5	S?
Pinus albicaulis - Abies lasiocarpa Woodland [Provisional]	Whitebark pine - subalpine fir Woodland	G5?	S2
Pinus abbicaulis / Carex geyerr Woodland	Whitebark pine / Geyer's sedge Woodland	G2G3	SI
Pinus albicaulis / Carex rossu Forest	Whitebark pine / Ross' sedge Forest	G37	S?
Pinus albicaulis / Festuca idahoensis Woodland	Whitebark pine / Idaho fescue Woodland	G4	<b>S</b> 2
Pinus albicaulis / Juniperus communis Woodland	Whitebark pine / common juniper Woodland	G42	S?
Pinus abbicaulis / Vaccinium scaparium Forest	Whitebark pine / grouseberry Forest	G4	83
Pinus albicaulis Woodland [Provisional]	Whitebark pine Woodland	G\$?	S5
Pinus contorta / Arctostaphylos uva-ursı Forest	Lodgepole pine / kinikunnick Forest	GS	S?
Pinus contorta / Arnica cardtfolia Forest	Lodgepole pine / heart-leaf amica Forest	G47	833
Pinus contorta / Calamagrostis rubescens Forest	Lodgepole pine / pinegrass Forest	GS	8.5
Pinus contorta / Carex geyern Forest	Lodgepole pine / Geyer's sedge Forest	G4º	èS.
Pinus contorta / Carex rassii Forest	Lodgepole pine / Ross' sedge Forest	GS	$\sim$ 2.5
Pinus contorta / Ceanothus velutinus Forest	Lodgepole pine / tobacco-brush Forest	G4	83
Pinus contorta / Jimiperus communis Woodland	Lodgepole pine / common juniper Woodland	GS	S3
Pinus contorta / Linnaea barealis Forest	Lodgepole pine / heart-leaf arnica Forest	GS	S2
Pinus contorta / Purshia tridentata Woodland	Lodgepole pine / bitterbrush Woodland	G3	83
Pinns contorta / Shepherdia canadensis Forest	Lodgepole pine / russet buffaloberry Forest	G3G4	S.
Pinus contarta / Spiraea betulifolia Forest	Lodgepole pine / birchleaf spıraca Forest	G3G4	S.
Pinus contarta Vaccinium cespitasum Forest	Lodgepole pine / dwarf huckleberry Forest	65	88
Pinus contorta / Vaccinium membranaceum Rocky Mouniain Forest	Lodgepole pine / big huckleberry Rocky Mountain Forest	G3G4	S.
Pinus contarta / Vaccinum scoparium Forest	Lodgepole pine / grouseberry Forest	GS	85
Puns contorta / Xeraphyllum tenax Forest	Lodgepole pine / beargrass Forest	GS	S4
Pinus contorta Scree Woodland	Lodgepole pine Scree Woodland	G5?	850
Pinus flexilis Cercocarpus ledifolius Woodland	Limber pine / curl-leaf mountain mahogany Woodland	G4	S3

Pinus flexilis Festica compestris Woodland	Limber nine / rough fescue Woodland	G3	63
Pinus flexilis Festuca idahoensis Woodland	Lumber pine / Idaho fescue Woodland	GS GS	SS
Pinus flexilis / Festuca kingii Woodland	Lumber pine / spike fescue Woodland	G3	S3
Pinus flexilis / Jumperus communis Woodland	Limber pine / common juniper Woodland	GS	S4
Pinus flexilis / Juniperus osteosperna Woodland	Limber pine / Utah juniper Woodland	G3	83
Pinus flexilis / Jumperus scopulorum Woodland	Limber pine / Rocky Mountain juniper Woodland	G3	83
Pinus flexilis / Pseudoroegneria spicata Woodland	Limber pine / bluebunch wheatgrass Woodland	G4?	S4
Pinus flexilis Scree Woodland	Lumber pine Scree Slope	G3Q	83
Pinus monticola / Clintonia uniflora Forest	Western white pine / queen's cup beadlily Forest	610	S.
Pmus ponderosa - Jumperus scopulorum Carex mops ssp hehophila Woodland	Ponderosa pine - Rocky Mountain juniper / sun sedge Woodland		833
Pinus ponderosa / (Andropogon gerardii, Schtzachyruun scoparum) Woodland	Ponderosa pine / big bluestem Woodland	G2Q	S2
Pinus ponderosa / Amelanchier alnıfolıa Woodland	Ponderosa pine / serviceberry Woodland	G2	S2
Pinus ponderosa / Arctostaphylas uva-ursı Woodland	Ponderosa pine / Kinikinnick Woodland	G4	83
Pmus ponderosa / Carex geyerr Woodland	Ponderosa pine / elk sedge Forest	G3G4	S3
Pinus ponderosa / Carex mops ssp. hehophila Woodland	Ponderosa pine / sun sedge Woodland	G3G4	S3S4
Pinus ponderosa / Cornus sericea Woodland	Ponderosa pine / red osier dogwood Wetland Woodland	G3	83
Pinus ponderosa / Crataegus douglasii Woodland	Ponderosa pine / black hawthorn Woodland	GI	S?
Pmus ponderosa / Festuca campestris Woodland	Ponderosa pine / rough fescue Forest	G3G4	83
Pmus ponderosa / Festuca idahoensis Woodland	Ponderosa pine / Idaho feseue Woodland	G4	S4
Pmus ponderosa / Juniperus communis Woodland	Ponderosa pine / common juniper Woodland	G4?	83
Pmus ponderosa / Juniperus horizonialis Woodland	Ponderosa pine / creeping juniper Woodland	G3?	83
Pinus ponderosa / Juniperus scopularum Woodland	Ponderosa pine / Rocky Mountain juniper Woodland	G4	S4
Pmus ponderosa / Mahoma repens Forest	Ponderosa pine / Oregon grape Forest	G3Q	S3
Pmus ponderosa / Physocarpus malvaceus Forest	Ponderosa pine / mallow-leaf ninebark Forest	G2	S2
Pinus ponderosa / Prunus virginiana Forest	Ponderosa pine / chokecherry Forest	G3	S4
Pinus ponderosa / Pseudoroegnera spicata Woodland	Ponderosa pine / bluebunch wheatgrass Woodland	G4	S4
Pinus ponderosa / Purshia tridentata / Festuca idahoensis Woodland	Ponderosa pine / bitterbrush / Idaho fescue Woodland	G3	S1
Pinus ponderosa / Purshia tridentata / Pseudoroegneria spicata Woodland	Ponderosa pine / bitterbrush / bluebunch wheatgrass Woodland	63	S?
Pinus ponderosa / Purshia tridentata Woodland	Ponderosa pine / bitterbrush Woodland	G3G5	S3
Pinus ponderosa / Quercus macrocarpa Woodland	Ponderosa pine / bur oak Woodland	G3	S.
Pmus ponderosa / Schtzachyrium scoparium Woodland	Ponderosa pine / little bluestem Woodland	G3G4	S2?
Pmus ponderosa / Symphoricarpos albus Forest	Ponderosa pine / snowberry Forest	G42	S4
Pinus ponderosa / Symphoricarpos occidentalis Forest	Ponderosa pine / western snowberry Forest	G3	S3
Pmus ponderosa Scree Woodland	Ponderosa pine Scree Woodland	G4	S4Q
Poa juncifolia Herbaceous Vegetation	Sandberg's bluegrass Herbaceous Vegetation	G4?	$\sim$
Poa palustris Herbaceous Vegetation	Fowl bluegrass Mixedgrass Prairie	GW	S4
Poa pratensis - (Pascopyrum smithii) Semi-natural Herbaceous Vegetation	Kentucky bluegrass (western wheatgrass) Semi-natural grassland	GW	S?
Poa protensis Herbaceous Vegetation	Kentucky bluegrass Semt-natural Seasonally Flooded Herbaceous Vegetation	В	SW
Poa secunda - Koeleria macrantha Herbaceous Vegetation	Sandberg's bluegrass - prairic junegrass Herbaceous Vegetation		S2S3?
Polygonum amphibium Herbaceous Vegetation [Provisional]	Water smartweed Wetland	G5	23
Populus angustifolia Mesic Graminoid Forest	Narrowleaf cottonwood / Mesic Graminoid Forest		SW
Populus angustifolia / Comus sericea Woodland	Narrowleaf cottonwood / red oster dogwood Forest	G4	S3

Populus angustifolia / Rhus trilobata Woodland Papulus angustifolia / Symphorrcarpos accidentalis Forest	Narrowleaf cottonwood / skunk-bush sumac Woodland Narrowleaf cottonwood / western snowberry Forest
Populus angustyolia Kecetit Alluvial Bat Forest Populus balsamifera ssp. trichocarpu / Betula papyrifera Forest	NatroWiear coftonWood Kecent Alluviar Bar Forest Black cottonwood / paper brich Forest
Populus balsamifera ssp. trichocarpa / Comus sericea Forest Pomilies halsamifera ssp. trichocarpa / Samilian comos alhue Forest	Black cottonwood / red osier dogwood Forest Black cottonwood / common snowherry Forest
Populus balsamifera ssp. trichocarpa / Recent Alluvial Bar Forest	Black cottonwood Recent Alluvial Bar Forest
Papulus balsamifera ssp trichocarpa / Symphoricarpos accidentalis Forest	Black cottonwood / western snowberry Forest
Populus balsamifera ssp trichocarpa Mesic graminoid Forest	Black cottonwood / Mesic Grammoid Forest
Papulus deltaides - Fraxinus pennsylvanica Forest [Provisional]	Plams cottonwood - green ash Forest
Populus deltoides / Comus sericea Forest	Plains cottonwood / red osier dogwood Forest
Populus deltoides / Symphoricorpos occidentalis Woodland	Plains cottonwood / western snowberry Woodland
Populus deltoides Mesic graminoids Forest	Plains cottonwood / Mesic Graminoid Forest
Papulus deltoides recent Alluvial Bar Forest	Plains cottonwood Recent Alluvial Bar Forest
Papulus tremuloides - Papulus balsamifera ssp.trichocarpa / Osmarhiza accidentalis Fotest	Quaking aspen - black cottonwood / western sweet-cicely Forest
Populus tremuloides / Amelanchier alnifolia Forest	Quaking Aspen / Saskatoon Serviceberry Forest
Papulus tremuloides / Bromus carinatus Forest	Quaking aspen / California brome Forest
Papulus tremuloides / Calamagrostis canadensis Forest	Quaking aspen / bluejoint Forest
Papulus tremulaides / Calamagrastis rubescens Forest	Quaking aspen / pinegrass Forest
Papulus tremulaides / Carex geyerr Forest	Quaking aspen / elk sedge Forest
Papulus tremutoides / Carius sericea Forest	Quaking aspen / red osier dogwood Forest
Populns tremuloides / Heracleum sphondylum Forest	Quaking aspen / eltrot Forest
Papulus tremulaides / Juniperus communis Forest	Quaking aspen / common juniper Forest
Populus tremuloides / Mahonia repens Forest	Quaking aspen / Oregon grape Forest
Populus tremulaides / Osmorhiza occidentalis Forest	Quaking aspen / western sweet-cicely Forest
Populus tremuloides / Physocarpus malvaceus - Amelanchier alnifolia Scree Woodland	Quaking aspen / mallow-leaf ninebark - saskatoon serviceberry Scree Woodland
Populus tremulaides / Poa pratensıs Forest	Quaking aspen / Kentucky bluegrass Forest
Populus tremulaides / Primus virginiana Forest	Quaking aspen / chokecherry Forest
Papulus tremuloides / Symphoricarpos albus Forest	Quaking Aspen / common Snowberry Forest
Populus tremuloides / Symphoricarpos oreophilus Forest	Quaking Aspen / mountain snowberry Forest
Populus tremulaides / Thalictrim fendleri Forest	Quaking aspen / Fendler's meadowrue Forest
Papulus tremulaides Tall Forbs Forest	Quaking aspen / Tall Forbs Forest
Potomogeton pectnatus - Myriophyllum spicatum Herbaceous Vegetation	Sago pondweed - water-milfoil Submerged Wetland
Polamagetan pectiniatus - Ruppia maritima Herbaceous Vegetation	Sago pondweed - beaked ditch-grass Herbaceous Vegetation
Potomogeton pectinatus - Zaninchellia polustris Herbaceous Vegetation	Sago pondweed - horned pondweed Submerged Wetland
Potamogeton richardsonii - Myriophyllum spicatum Herbaceous Vegetation	Claspingleaf pondweed - water-milfoil Herbaceous Vegetation
Prunus virginiana Shrubland	Chokecherry - (American plum) Shrubland
Pseudoroegneria spicata - Bouteloua curtipendula Herbaccous Vegetation	Bluebunch wheatgrass - sideoats grama Mixedgrass
Pseudoroegnerio spicata - Bouteloua gracilis Herbaccous Vegetation	Bluebunch wheatgrass - blue grama Mixedgrass Prairic
Pseudoraegneria spicata - Carex filifolia Herbaccous Vegetation	Blucbunch wheatgrass - thread-leaved sedge Mixed Prairie
Pseudoroegneria spicata - Eriogonum brevicaule Sparse Vegetation	Bluebunch wheatgrass - short-stem wild buckwheat Sparse Vegetation
Pseudaroegnena spicata - Hesperastipa camata Herbaceous Vegetation	Bluebunch wheatgrass - needle-and-thread Mixedgrass

G?Q G3? G2?

Pseudoroegnerra spicota - Oryzopsıs hymenoides Herbaccous Vogetation	Bluehunch wheatgrass - Indian ricegrass Mixedgrass
Pseudoroegneria spicota - Pascopyrum smithii (Elymus lanceolatus) Herbaccous Vegetation	Bluchunch wheatgrass - western wheatgrass Herbaceous Vegetation
Pseudoroegneria spicala - Pascopyrum smittini Herbaccous Vegetation	Diucouncii wirdagiass - westerii wirdagiass Macagiass Diachanah mhadamas - Sandhara'a blaamas - maadla and thread Harbaceons Venelation
Pseudoroegneria spicaia - Foa secunda - Supa comala Incivaccous y eguadou Desidosocias escerto - Poa comada Herbaccous Venetation	Bittebuild wheaterass - Sandbero's bluegiass - incure and an included included a vegetation
Desurgaciones encoto District Part Herbosonis Venetation	Bluebingh wheatorass - cushion plant Herbaccous Veociation
Pseudotsuson menziesus - Pinus flexilis / Festuca kingii Woodland	Douglas fir - limber pine / spike fescue Woodland
Pseudotsuga menziesu / Antelanchier almfolia Forest	Douglas fir / serviceberry Forest
Pseudotsuco menziesti / Arctostaphylos uva-ursi Forest	Douglas fir / kınıkınnıck Forest
Pseudotsuga menziesu : Arnica cordifolia Forest	Douglas fir / heart-leaf arnica Forest
Pseudotsuga menziesu / Calamogrostis rubescens Forest	Douglas fir / pinegrass Forest
Pseudotsuga menziesu / Carex geyeri Forest	Douglas fir / elk sedge Forest
Pseudotsugo menziesn / Cercocarpus ledifolius Woodland	Douglas fir / curl-leaf mountain mahogany Woodland
Pseudotsuga menziesti / Cornus canadensis Forest	Douglas fir / Canadian bunchberry Forest
Pseudotsuga menziesii / Carnus sericea Woodland	Douglas fir / red osier dogwood Woodland
Pseudotsuga menziesti / Festuca campestris Woodland	Douglas fir / rough fescue Woodland
Pseudotsugo menziesii / Festuca idahoensis Woodland	Douglas fir / Idaho fescue Woodland
Pseudatsuga menziesii / Jumperus communis Forest	Douglas fir / common jumper Forest
Pseudotsuga menziesti / Jumperus osteosperma Forest	Douglas fir / Utah juniper Forest
Pseudotsuga menziesu / Jimiperus scopulorum Woodland	Douglas fir / Rocky Mountain juniper Woodland
Pseudotsuga menziesii / Lunnaea borealis Forest	Douglas fir / twinflower Forest
Pseudotsuga menziesii / Mahonia repens Forest	Douglas fir / Oregon grape Forest
Pseudotsuga menziesu / Oryzopsis mcrantha Woodland	Douglas fir / little-seed ricegrass Woodland
Pseudotsuga menziesu / Physocarpus malvaceus Forest	Douglas fir / mallow-leaf nıncbark Forest
Pseudotsuga menziesii / Physocarpus monogynus Forest	Douglas fir / mountain ninebark Forest
Pseudotsuga menziesu / Pseudoroegneria spicata Woodland	Douglas fir / bluebunch wheatgrass Woodland
Pseudotsuga menziesti / Purshia tridentata Woodland	Douglas fir / bitterbrush Woodland
Pseudotsuga menziesii / Schizachyrium scaparium Woodland	Douglas fir / little bluestem Woodland
Pseudotsugo menziesii / Spiraea betultfolia Forest	Douglas fir / birchleaf spiraea Forest
Pseudotsuga menziesii / Symphoricarpos olbus Forest	Douglas fir / snowberry Forest
Pseudotsuga menziesii / Symphoricarpos occidentalis Forest	Douglas fir / western Snowberry Forest
Pseudotsuga menziesii / Symphoricarpos oreophilus Forest	Douglas fir / mountain snowberry Forest
Pseudotsuga menziesu / Vaccinium cespitosum Forest	Douglas fir / dwarf huckleberry Forest
Pseudatsuga menziesii / Vaccınıum membranaceum Forest	Douglas fir / big huckleberry Forest
Pseudotsuga menziesu / Viola adunca var. adunca Forest	Douglas fir / Canada violet Forest
Pseudotsugo menziesii Scree Woodland	Douglas fir Scree Slope
Puccinellia nuttalliana Herbaceous Vegetation	Nuttall's alkali grass Herbaceous Vegetation
Purshra tridentata / Festuca campestris Shrub Herbaceous Vegetation	Bitterbrush / prairie fescue Shrub Herbaceous Vegetation
Purshia tridentata / Festuca idahoensis Shrub Herbaceous Vegetation	Bitterbrush / Idaho fescue Shrub Herhaceous Vegetation
Purshia tridentata / Pseudoroegneria spicata Shrub Herbaceous Vegetation	Bitterbrush / bluebunch wheatgrass Shrub Herbaceous Vegetation
Rhamnus alnifolia Shrubland	Alderleaf buckthorn Shrubland
Rhus trilobata / Calomovilfo longifolia Shrub Herbaceous Vegetation	Skunk-brush sumac / prairie sandreed Shrub Prairie

ou
etat
$^{ m cg}$
sons
rbace
<u>.</u> 2
Shrub H
ilifolia
rex J
S S
bata
triloba
hus

Rhus trilobata / Carex filifolia Shrub Herbaceous Vegetation	Skunk-bush sumac / thread-leaved sedge Shrub
	Skunk-bush sumac / thickspike wheatgrass - gr
Rhus trilobata / Elymus lancealatus - Nassella viridula Shrub Herbaceous Vegetation	Vegetation
Rhus trilobata / Festuca idahoensis Shrub Herbaceous Vegetation	Skunk-bush sumac / Idaho fescue Shrub Herba
Rhus trilobata / Pseudoroegneria spicata Shrub Herbaccous Vegetation	Skunk-bush sumac / bluebunch wheatgrass Shr
Rhus trilobata / Schizachyrium scoparium Shrub Herbaceous Vegetation	Skunk-bush sumac / little bluestem Shrub Prair
Rosa woodsu Shrubland	Wood's rose Shrubland
Salicomia rubra Herbaceous Vegetation	Red Saltwort Herbaceous Vegetation
Salix amygdalaides Woodland	Peach-leaf willow Woodland
Salix arctica / Polygonum bistortoides Dwarf Shrubland	Arctic willow / American bistort Dwarf-shruble
Salix bebbiana Shrubland	Bebb's Willow Shrubland
Salix boothii / Calamagrostis canadensis Shrubland	Booth's willow / bluejoint Shrubland
Salix boothii / Carex utriculata Shrubland	Booth's willow / beaked sedge Shrubland
Salix boothu Mesic Graminoids Shrubland	Booth's willow / Mesic Grammoid Shrubland
Salix brachycarpa / Carex aquatilis Shrubland	Short-fruit willow / aquatic sedge Shrubland
Salix candida / Carex lasiocarpa Shrubland	Hoary willow / slender sedge Shrubland
Salix candida / Carex utriculata Shrubland	Hoary willow / beaked sedge Shrubland
Salix drummondiana / Calamagrostis canadensis Shrubland	Drummond's willow / bluejoint Shrubland
Salix drummondiana   Carex utriculata Shrubland	Drummond's willow / beaked sedge Shrubland
Salix drummondiana Mesic Forbs Shrubland	Drummond's willow / Mesic Forbs Shrubland
Salix drummondiana Shrubland	Drummond willow Shrubland
Salıx exigua Barren Shrubland	Coyote willow / Barren Shrubland
Salix exigna Mesic Grammoids Shrubland	Sandbar willow / Mesic Graminoid Shrubland
Salıx exigua Temporarıly Flooded Shrubland	Sandbar willow Shrubland
Salix geyeriana / Calamagrostis canadensis Shrubland	Geyer willow / bluegoint Shrubland
Salıx geyerrana / Carex aquatılıs Shruhland	Geyer's willow / aquatic sedge Shrubland
Salix geyeriana / Carex utnculata Shrubland	Geyer willow / beaked sedge Shrubland
Salıx geyernana / Deschampsıa cespitosa Shrubland	Geyer willow / tufted hangrass Shrubland
Salıx geyeriana Mesic Graminoids Shrubland	Geyer's willow / Mesic Grammoid Shrubland
Salıx glauca Shrubland	Gray-leaf willow Shrubland
Salıx Incida ssp candata Shrubland	Shining willow Shrubland
Salix Intea / Calamagrostis canadensis Shrubland	Yellow willow / bluejoint Shrubland
Salix Intea / Carex utriculata Shrubland	Yellow willow / beaked sedge Shrubland
Salıx lutea / Rosa woodsıı Shrubland	Yellow willow / Woods' rose Shrubland
Salix planifolia . Calamagrostis canadensis Shruhland	Planeleaf willow / bluejoint Shrubland
Salix planifolia - Carex aquatilis Shrubland	Planeleaf willow / aquatic sedge Shrubland
Salix planifolia / Carex nebrascensis Shrubland	Planeleaf willow / Nebraska sedge Shrubland
Salix planifalia   Carex scopulorum Shrubland	Plancleaf willow / Holm's Rocky Mountain sed
Salıx planıfolıa Carex scopulorum Shruhland	Planeleaf willow / Holm's Rocky Mountain sed
Sahx planifalia Carex utriculata Shrubland	Planeleaf willow / beaked sedge Shrubland
Sahx reticulata - Caltha leptosepala Dwarf Shrubland	Snow willow / marsh-marigold Dwarf-shrublar
Sahx walfir Carex aquatilis Shrubland	Wolf willow / aquatic sedge Shrubland

Skunk-bush sumac / thread-leaved sedge Shrub Prairie	G3	S3
Skunk-bush sumac / Unekspike Wheatgrass - green needlegrass Shrub Herbaceous Vegetation		S2S37
Skunk-bush sumac / Idaho fescue Shrub Herbaceous Vegetation	G27	827
Skunk-bush sumac / bluebunch wheatgrass Shrub Prairie	G4	S4
Skunk-bush sumac / little bluestem Shrub Prairie	G3	83
Wood's rose Shrubland	GS	S\$
Red Saltwort Herbaceous Vegetation	G2G3	S2?
Peach-leaf willow Woodland	G3	83
Arctic willow / American bistort Dwarf-shrubland	G2G3Q	S2S3
Bebb's Willow Shrubland	G3?	833
Booth's willow / bluejoint Shrubland	G3G4Q	SR
Booth's willow / beaked sedge Shrubland	G4	S4
Booth's willow / Mesic Grammoid Shrubland	G3?	83
Short-fruit willow / aquatic sedge Shrubland	G2G3	S <sub>2</sub>
Hoary willow / slender sedge Shrubland		S
Hoary willow / beaked sedge Shrubland	G3	S3
Drummond's willow / bluejoint Shrubland	G3	83
Drummond's willow / beaked sedge Shrubland	G4	S4
Drummond's willow / Meste Forbs Shrubland	G4	S3
Drummond willow Shrubland	G3Q	S3
Coyote willow / Barren Shrubland	GS	SS
Sandbar willow / Mesic Graminoid Shrubland	GS	S2
Sandbar willow Shrubland	G\$	\$\$
Geyer willow / bluegoint Shrubland	G\$	S4
Geyer's willow / aquatic sedge Shrubland	B	S.
Geyer willow / beaked sedge Shrubland	G\$	S2
Geyer willow / tufted hangrass Shrubland	G4	S3
Geyer's willow / Mesic Grammoid Shrubland	G3	23
Gray-leaf willow Shrubland	G37	S2
Shining willow Shrubland	G3Q	S3
Yellow willow / bluejoint Shrubland	G3?	833
Yellow willow / beaked sedge Shrubland	5	S4
Yellow willow / Woods' rose Shrubland	G3	S
Planeleaf willow / bluejoint Shrubland	G <del>1</del>	S
Planeleaf willow / aquatic sedge Shrubland	G\$	83
Planeleaf willow / Nebraska sedge Shrubland		S
Plancleaf willow / Holm's Rocky Mountain sedge Shrubland	G4	S <sup>3</sup>
Plancleaf willow / Holm's Rocky Mountain sedge Shruhland		S
Planeleaf willow / beaked sedge Shrubland	G3	S.
Snow willow / marsh-marigold Dwarf-shrubland	G3	<b>S</b> 2
Wolf willow / aquatic sedge Shrubland	3	S3

Sahx wolfii Deschampsia cespuosa Shrubland	Wolf willow / tufted hargrass Shrubland	63	S3
Sandstone Ureat Plains seric butte - Builf Sparse Vegetauon	Oreal Plains Actic Saludsolle Duite	5	à
Sarcobatus vernuculatus / Artemisia tridentata Shrubland	Greasewood / big sagebrush Shrubland	64	Z 6
Sarcobatus vermiculotus Atriplex gardneri Shtubland	Greasewood / Gardiner saltbush Shrubland	G4.	83
Sarcobatus vermiculatus Distichlis spicata Shrubland	Black greasewood / saltgrass Shrubland	G4	S2
Sarcobatus vermeculatus Leymus emereus Shrubland	Greasewood / basın wıldrye Shrubland	G3	S2S3
Sarcobatus vermiculatus / Pascopyrum smithii Shrub Herbaceous Vegetation	Greasewood / western wheatgrass -(thickspike wheatgrass) Shrub Prairic	G4	S4
Sarcobatus vermiculatus / Pseudoroegneria spicata Shrubland	Greasewood / bluebunch wheatgrass Shrubland	G3	S3
Schrachyrum scoparum - Bouteloua (curtipendula, gracilis) Carex filifolia Herbaceous Vegetation	Northern Great Plains Intle bluestem Prante	G3G4	S?
Schrachyrum scoparum - Carex mops ssp. hehophila Herbaceous Vegetation	Little bluestem - sun sedge bunchgrass Prairie	G3	S3
Schrzachyrum scaparum - Muhlenbergia cuspidata Herbaccous Vegetation	Little bluestem - plains muhly Herbaceous Vegetation	G33	S2
Scirpus activis Herbaceous Vegetation	Bulrush Marsh	GS	\$\$
Scirpus maritimus Herbaceous Vegetation	Alkali bulrush Marsh	G4	S4
Scirpus pungens Herbaccous Vegetation	Bulrush Wet Meadow	G3G4	S3
Scirpus tabemaemontani Temperate Herbaccous Vegetation	Softstem bulrush Temperate Herbaceous Vegetation	GS	S3
Scolochioa festucacea Herbaceous Vegetation	Sprangletop Herbaceous Vegetation	G4G5	S.3
Senecto transgularis Herbaceous Vegetation	Arrowleaf ragwort Herbaceous Vegetation	G5?	837
Shepherdia argentea Shrubland	Buffaloberry Shrubland	G3G4	833
Silene acaulis Herbaceous Vegetation	Cushion pink Herbaceous Vegetation	G5?	S2
Sparganum angustifalum Herbaceous Vegetation	Greenfruit bur-reed Herbaceous Vegetation	G4	S3
Spartma gracilis Herbaceous Vegetation	Alkali cordgrass Herbaceous Vegetation	$\Omega$	S?
Spartina pectinata - Calamagrostis stricta - Carex spp. Herhaceous Vegetation	Prairie cordgrass - western bluejoint - sedge spp Herbaceous Vegetation	G3?	23
Spartina pectinata - Carex spp. Herbaceous Vegetation	Praine cordgrass - Sedge Wet Meadow	G3?	83
Spartina pectinata - Scirpus pungens Herbaceous Vegetation	Prairie cordgrass - bulrush Wet Meadow	G37	S3
Spartma pectmata western Herbaceous Vegetation	Prairie cordgrass Western Herbaceous Vegetation	G37	833
Spiraea douglassi Shrubland	Douglas' spiraea Shrubland	G\$	S4
Sparabolus arraides Herbaceous Vegetation	Alkalı sacaton Southern Plains grassland	630	S2
Sporobolus airoides Northern Plans Herbaceous Vegetation	Alkali sacaton Northern Plains Herbaceous Vegetation	G?	S2
Sporobolus cryptandrus Shrub Herbaccous Vegetation	Sand dropseed Shrub Prairie	G2	S2
Supa comata - Boutelaua graculis - Carex filifolia Herbaceous Vegetation	Needle-and-thread - blue grama Mixedgrass Praine	GS	S.
Sapa comata - Bouteloua graculis - Pascopyrum smithii Herbaceous Vegetation	Needle-and-thread - blue grama - western wheatgrass Herbaceous Vegetation		S?
Stipa comata - Carex filifalia Herbaceous Vegetation	Needle-and-thread - threadleaf sedge Herbaceous Vegetation	G4	S4
Stipa comata - Carex mops ssp. hehophila Herbaceous Vegetation	Needle-and-thread - sun sedge Mixedgrass Prairic	G4	S4
Stipa comata - Muhlenbergia cuspidata Herbaceous Vegetation	needle-and-thread - plains muly Herbaccous Vegetation		S?
Stipa comata - Psoralidrum lanceolatum Herbaceous Vegetation	Needle-and-thread - lemon serufpea Herbaceous Vegetation		S3
Stipa comata - Psoralidium tenuiflorum Herbaccous Vegetation	Needle-and-thread - smokebush Herbaceous Vegetation		S?
Symphancarpos occidentalis Shrubland [Provisional]	Western snowberry Shrubland	G4G5	S4S5
Tamarix spp. Temporarily Flooded Shrubland [Provisional]	Tamarisk spp. Temporarily Flooded Shrubland	GW	SW
Thuya pheata / Aralia nudicaulns Forest	Western red cedar / wild sarsaparilla Forest	G2	S.
Thuya plicata / Asarum caudatum Forest	Western red cedar / longtan wild ginger Forest	GS	Sl
Thuya pheata / Athyrnum filtx-femma Forest	Western red cedar / lady fern Forest	G3G4	83
Thuya pheata / Chntonia umflora Forest	Western red cedar / queen's cup beadhlyForest	G4	S4

Thuja plicata / Gymnacarpium dryapterns Forest	Western red cedar / western oakfern Fo
Thuja plicata Oplopxnax harridus Forest	Western red cedar - (western hemlock)
Triglochin maritimum Herbaceous Vegetation	Seaside arrow-grass Herbaceous Vegeta
Tsuga heterophylla / Asarum caudatum Forest	Western hemlock / longtail wild ginger
Tsuga heterophylla / Clmtonia uniflora Forest	Western hemlock / queen's cup beadlily
Tsuga heterophylla / Gymnocarpum dryopterns Forest	Western hemlock / western oakfern For
Tsuga mertensiana / Clintonia uniflora Forest	Mountain hemlock / queen's cup beadli
Tsuga mertensiana / Luzula glabrata var. hitchcockii Forest	Mountain hemlock / smooth woodrush
Tsuga mertensiana / Menziesia ferruginea Forest	Mountain hemlock / fool's-huckleberry
Tsuga mertensiana Kerophyllum tenax Forest	Mountain hemlock / beargrass Forest
Typha lanfolna Western Herbaceous Vegetation	Broad-leaved cattail Marsh
Yucca glanca / Calamovilfa longifolia Shrub Herbaceous Vegetation	Yucca / prairie sandreed Shrub Prairie
Yucca glanca / Pseudoroegneria spicata Shrub Herbaceous Vegetation	Yucca / bluebunch wheatgrass Shrub Pr
Alpine Fellfield (Dry)	Alpine Fellfield (Dry)
Alpine Fellfield (Moist)	Alpine Fellfield (Moist)

Westem red cedar / westem oakfern Forest	G3	S3
Western red cedar - (western hemlock) / devil's-club Forest	G3	S3
Seaside arrow-grass Herbaccous Vegetation	ΩĐ	S?
Western hemlock / longtail wild ginger Forest	G4	S2
Western hemlock / queen's cup beadlily Forest	G4	S3
Western hemlock / western oakfern Forest	G3G4	S2
Mountain hemlock / queen's cup beadlily Forest	63	S3
Mountain hemlock / smooth woodrush Forest	GS	S2
Mountain hemlock / fool's-huckleberry Forest	G4	83
Mountain hemlock / beargrass Forest	G4	S4
Broad-leaved cattail Marsh	GS	S5
Yucca / prairie sandreed Shrub Prairie	G4	S4
Yucca / bluebunch wheatgrass Shrub Prairie	640	S4Q
Alpine Fellfield (Dry)		S3
Alpine Felffield (Moist)		S3



